

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

28-Jun-2010

Company: 111339

Sales Order #: C002687
CCC Panel #: P67641
Date In: 04-Jun-2010
Date Out: 18-Jun-2010
Days In Service: 14

Room Area ID:
Reference #:



DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company 111339	
Address	
Room/Area I.D.	
Date In 6/4/10	Time In: 11:40 a.m. p.m.
Date Out 6/18/10	Time Out: 10:50 a.m. p.m.
Coupon # 67641	Tracking # 02687
Serial #	

☐ Industrial ☐ ERM ☐ Preservation ☐ CIF

PURAFIL
First...in clean air

2654 Weaver Way • Doraville, Georgia 30340
Ph: (770) 662-8545 • (800) 222-6367
Fx: (770) 263-6922 • www.purafil.com

CCC Panel # P67641

ISA Class GX
Severe

Copper Corrosion
7540 Å/30 Days

Silver Corrosion
1029 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67641

The electrolytic reduction analysis on Corrosion Classification Coupon #P67641 shows the presence of extremely high concentrations of contaminants and the possibility of high/variable humidity in the environment tested. The hydrogen sulfide level is expected to be in excess of 50 ppb, sulfur dioxide greater than 300 ppb, and chlorine greater than 10 ppb. The presence of moisture and small amounts of inorganic chlorine compounds greatly accelerates sulfide corrosion. Electronic/electrical equipment is not expected to survive in this environment due to corrosive attack.

Your local representative for additional information and assistance is:

Environmental Health and Eng
117 Fourth Avenue, Needham MA 02494, USA
tminegishi@eheinc.com

Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922
Email: purafil@purafil.com / Internet: http://www.purafil.com

Displaying Page 1 [Display Page 2](#)

PURAFIL CCC # P67641 Analysis Results

Corrosion Film Composition				Gold Coupon - Magnified 20x
	Projections			
	<u>30 Days</u>	<u>1 Year</u>	<u>5 Year</u>	
Copper Films				
Cu ₂ S	782 Å	3209 Å	9383 Å	
Cu ₂ O	532 Å	2185 Å	6389 Å	
Unknowns	6226 Å	25558 Å	74733 Å	
Totals	7540 Å	30952 Å	90505 Å	
Silver Films				
AgCl	124 Å	1514 Å	7570 Å	
Ag ₂ S	882 Å	10737 Å	53685 Å	
Unknowns	23 Å	280 Å	1400 Å	
Totals	1029 Å	12531 Å	62655 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

